

GIL (Global Image Locator)

The Hasselblad GIL (3053300) provides automatic creation and storage of GPS information for all H-system digital cameras. The data is tagged to each individual image file and can be read directly by Phocus. The unit requires no extra external battery or power source and works seamlessly in the background for ease of use.

Requirements

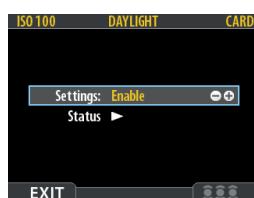
The latest FlexColor firmware update 4.8.5 (or later) of the digital back/sensor unit is required for operation.



Please note that FlexColor does not retain GPS information when importing captures.

Fitting

Remove the accessory connection cover on the camera as described in the user manual. Position the unit as in the illustration A, ensuring that the retaining screw is fully retracted first. Correct positioning is assured when the LED blinks green to signal that a databus connection has been made. While maintaining the position, rotate the attachment screw in a clockwise direction until the unit is firmly attached. Remember to re-attach the accessory connection cover on the camera afterwards if you remove the GIL unit.

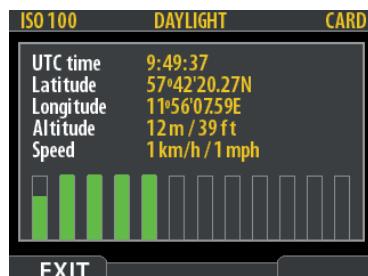
B**C****Settings**

No settings are required on the camera, only on the digital capture unit as follows:

1. Press **MENU** > **Settings** to display the selection B.
2. Go to **GPS** > **Settings** to display the menu C.
3. In Settings select **Enable** (via the + / - button) to activate the unit. (You can also deactivate the unit here after use by selecting "Disable").

Go to **Settings** > **GPS** > **Status** > to access a status screen D. This contains the current data concerning UTC time, Longitude, Latitude, Altitude and Speed.

In addition is a graphical display indicating satellite signal strength. Each green bar represents one successful satellite contact.

D**Tags**

The captured file will contain a 'tag' (metadata information) that includes the UTC time, Longitude, Latitude, Altitude and Speed information. This information can be exploited in Phocus by going to **Image** > **Map** (or pressing Alt + Command + M) to automatically open Google Earth (on-line), and display the location of the selected image.

In addition, a separate 'KML' tag file will also be created. This single file will collectively include data on all the captures in the folder and can be utilized and read by a variety of virtual globe programs, such as Google Earth, etc.

Each new folder created will contain a new KML tag file that is linked to those particular captures in that particular folder.

In use

When activated, the LED on the unit blinks red to indicate that a search for communication with satellites is in progress. In addition, a red satellite icon flashes on the digital back screen to signal the same. When sufficient contact has been made, the icon on the digital back screen will change to green for 3 seconds before being deactivated and the LED on the GIL unit will steadily blink green. If contact is broken for any reason, then the unit will revert to search mode again, displaying the appropriate icon and signal. Re-establishing contact in these incidences

might only take a few seconds in favourable conditions. Remember that an initial search procedure can take up to three minutes even in good conditions before sufficient contact is established.

When the capture has been made, its location can be immediately checked on the digital back display if required. Press the 'I' button to show the data lists which will now include the latitude and longitude information as well E.

In Phocus, the GPS coordinates are also displayed in the Capture Info tool F.

E**F**

Practical points to note

The GIL unit behaves in the same way as most GPS units and is therefore subject to various requirements:

1. The unit needs to have received a signal from several satellites before it can operate.
2. Contact with satellites is subject to a list of conditions including weather and materials in the immediate environment etc. In practice this normally means you should expect difficulties in most buildings, some vehicles, very cloudy weather conditions and even in thick forests, valleys in mountainous areas, dense high-rise urban environments and such like.

3. If the unit has not been in use for a few days, it might have to restart search procedures, which can take a short while.

4. Travelling longer distances from the original activation location after turning the unit off, might require a new search. So, even though the unit has been active only an hour or so beforehand, a new destination after a flight, for example, might require a new search and thereby more time to become active.

Tips

- Take note of the unit's LED occasionally. This can be seen with the left eye, while shooting and holding the right eye to the viewfinder, for example, so that you know the file will be tagged at the time of exposure. This can be used

ful in difficult environments or terrain where there is a possibility of losing satellite contact suddenly without noticing it otherwise.

- As the unit takes its power requirements from the camera battery, it is advisable to disable it when not in use.

Visit www.hasselblad.com to download user manuals, datasheets, product brochures, technical information, technical articles, software and firmware updates etc, as well as news about the latest developments at **Hasselblad**.



Disposal of Waste Equipment by Users in Private Households in the European Union

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the dealer where you purchased the product.



Entsorgung von Altgeräten aus privaten Haushalten in der EU

Das Symbol auf dem Produkt oder seiner Verpackung weist darauf hin, dass das Produkt nicht über den normalen Haushalt entsorgt werden darf. Benutzer sind verpflichtet, die Altgeräte an einer Rücknahmestelle für Elektro- und Elektronik-Altgeräte abzugeben. Die getrennte Sammlung und ordnungsgemäße Entsorgung Ihrer Altgeräte trägt zur Erhaltung der natürlichen Ressourcen bei und garantiert eine Wiederverwertung, die die Gesundheit des Menschen und die Umwelt schützt. Informationen dazu, wo Sie Rücknahmestellen für Ihre Altgeräte finden, erhalten Sie bei Ihrer Stadtverwaltung, den örtlichen Müllentsorgungsbetrieben oder im Geschäft, in dem Sie das Gerät erworben haben.



Eliminación de residuos de equipos eléctricos y electrónicos por parte de usuarios particulares en la Unión Europea

Este símbolo en el producto o en su envase indica que no debe eliminarse junto con los desperdicios generales de la casa. Es responsabilidad del usuario eliminar los residuos de este tipo depositándolos en un "punto limpio" para el reciclado de residuos eléctricos y electrónicos. La colección y el reciclado selectivo de los residuos de aparatos eléctricos en el momento de su eliminación contribuirá a conservar los recursos naturales y a garantizar el reciclado de estos residuos de forma que se proteja el medio ambiente y la salud. Para obtener más información sobre los puntos de recogida de residuos eléctricos y electrónicos para reciclado, póngase en contacto con su ayuntamiento, con el servicio de eliminación de residuos domésticos o con el establecimiento en el que adquirió el producto.



Elimination des appareils ménagers dans l'Union européenne

Le symbole apposé sur le produit ou sur son emballage indique que ce produit ne doit pas être jeté avec les déchets ménagers ordinaires. Il est de votre responsabilité de mettre au rebut vos appareils dans les dépôts dans les centres de collecte publique désignés pour le recyclage des équipements électriques et électroniques. La collecte et le recyclage des appareils ménagers au moment de leur élimination contribue à la préservation des ressources naturelles et garantit que ces appareils seront recyclés dans le respect de la santé humaine et de l'environnement. Pour obtenir plus d'informations sur les centres de collecte et de recyclage des appareils ménagers au rebut, veuillez contacter les autorités locales de votre région, les services de collecte des ordures ménagères ou le magasin dans lequel vous avez acheté ce produit.



Smaltimento delle apparecchiature da parte di privati nel territorio dell'Unione Europea

Questo simbolo presente sul prodotto o sulla sua confezione indica che il prodotto non può essere smaltito insieme ai rifiuti domestici. È responsabilità dell'utente smaltire le apparecchiature consegnandole presso un punto di raccolta designato al riciclo e allo smaltimento di apparecchiature elettrico ed elettroniche. La raccolta differenziata e il corretto riciclo delle apparecchiature da smaltire permette di proteggere la salute degli individui e l'ecosistema. Per ulteriori informazioni relative ai punti di raccolta delle apparecchiature, contattare l'ente locale per lo smaltimento dei rifiuti, oppure il negozi presso il quale è stato acquistato il prodotto.



Verwijdering van afgedankte apparatuur door privegebruikers in de Europese Unie

Dit symbool op het product of de verpakking geeft aan dat dit product niet mag worden gedeponeerd bij het normale huishoudelijke afval. U bent zelf verantwoordelijk voor het inleveren van uw afgedankte apparatuur bij een inzamelingspunt voor het recyclen van oude elektrische en elektronische apparatuur. Door uw oude apparatuur apart aan te bieden en te recycleren, kunnen natuurlijke bronnen worden behouden en kan het materiaal worden hergebruikt op een manier waarin de volgzaamheid en het milieu worden beschermd. Neem contact op met uw gemeente, het afvalinzamelingsbedrijf of de winkel waar u het product heeft gekocht voor meer informatie over inzamelingspunten waar u oude apparatuur kunt aanbieden voor recycling.



Destrução, por Utilizadores na União Europeia, de Equipamento Usado no Lixo Doméstico

Este símbolo, no produto ou na respectiva embalagem, indica que este material não deve ser destruído com outro lixo doméstico. É da sua responsabilidade destruir o equipamento usado levando-o para um local de recolha apropriado, destinado à reciclagem de produtos eléctricos e electrónicos usados. A reciclagem separada do seu equipamento doméstico quando da destruição, ajudará a preservar recursos naturais e a assegurar que ele é reciclado através de um processo que protege a saúde humana e o ambiente. Para obter mais informações sobre onde pode colocar o seu equipamento usado para reciclagem, contacte a entidade responsável local, ou o serviço de destruição do lixo doméstico, ou a loja onde adquiriu o produto.



Bortskaffande av avfallsprodukter från användare i privatuhåll inom Europeiska Unionen

Om den här symbolen visas på produkten eller förpackningen betyder det att produkten inte får slängas på samma ställe som hushållssopor. I stället är det därför att bortskaffa avfallet genom att överlämna det till ett uppsamlingsställe avsett för stevärinavfall från elektriska och elektroniska produkter. Separat insamling och återvinning av avfallet hjälper till att spara på våra naturresurser och gör att avfallet återvinnas på ett sätt som skyddar människors hälsa och miljön. Kontakta ditt lokala kommunkontor, din närmsta återvinningsstation för hushållsavfall eller affären där du köpte produkten för att få mer information om var du kan lämna ditt avfall för återvinning.

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